

ABSTRACT

A process for manufacturing a finished lubricant by: a) performing Fischer-Tropsch synthesis on syngas to provide a product stream; b) isolating from
5 said product stream a substantially paraffinic wax feed having less than about 30 ppm total nitrogen and sulfur, and less than about 1 wt% oxygen; c) dewaxing said feed by hydroisomerization dewaxing using a shape selective intermediate pore size molecular sieve comprising a noble metal hydrogenation component, wherein the hydroisomerization temperature is
10 between about 600°F (315°C) and about 750°F (399°C), to produce an isomerized oil; and d) hydrofinishing said isomerized oil, whereby a lubricating base oil is produced having specific desired properties; and e) blending the lubricating base oil with at least one lubricant additive.